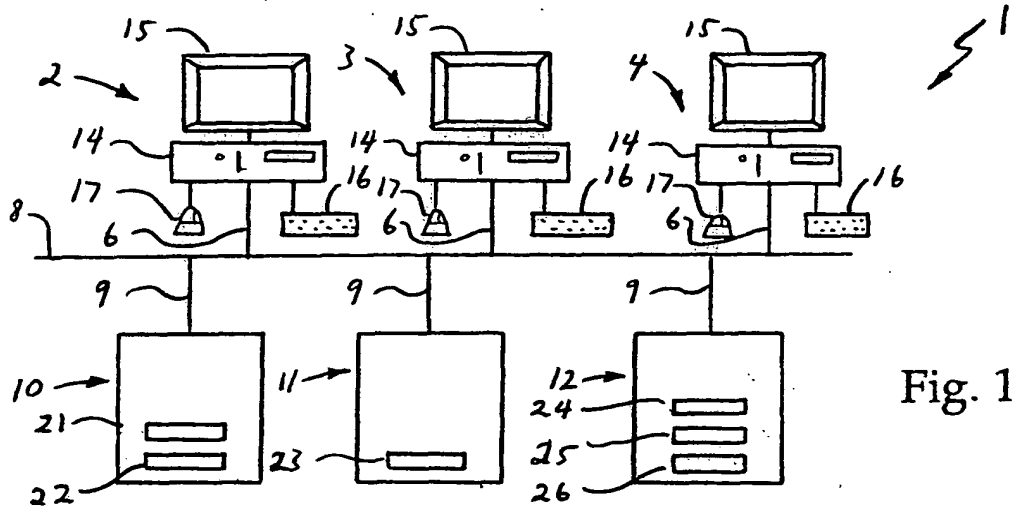

Fig. 1

Fig. 2

Require: Set of Features satisfied by Set of Attributes

30	Printer Configuration
31	Management Information Base (MIB)

Printer profile 32 = 33 Non-configurable + Properties Profile + Configurable Component Profile 35

Set of Attributes 37 — 34 Property Values — Configuration Settings 36

Set of Attributes		Property Values		Configuration Settings
attribute1:aname1;*avalue1*	=	property1:pname1;*pvalue1*	+	configuration1:cname1;*cvalue1*
attribute2:aname2;*avalue2*		property2:pname2;*pvalue2*		configuration2:cname2;*cvalue2*
.		.		.
.		.		.

40	Print Job
41	Job ticket and/or Print data

Print Job Requirements 42

Set of Features 47

Set of Features
feature1:fname1;*fvalue1*
feature2:fname2;*fvalue2*
.
.

```
Typical ASCII J b Ticket

%XRXbegin:          1.31
%XRXdisposition:    PRINT
%XRXsenderName:
%XRXtitle:          PostScript File
%XRXcopyCount:      1
%XRXpaperType-size:  216  279
%XRXdocumentPaperColors: white
%XRXpaperType-opacity: opaque
%XRXpaperType-preFinish:  Plain 0  0
%XRXrecipientName:
%XRXrequirements: simplex
%XRXsignature:      FALSE
%XRXsourceFile:     ...
%XRXdeleteSource:  FALSE
%XRXxImageShift:   5
%XRXyImageShift:   0
%XRXend
```

Fig. 3

```
job: {
      name       medium-1 ,
      label      "Job Medium 1 : ABC Inc." ,
      stream     "stream1"
}

stream: {
      type       sequence ,
      name       "stream1" ,
      streams    { stream2  stream3 ) }

stream: {
      type       PDL-PCL ,
      name       "stream2" ,
      data       "cover.prn",
      requires   ( { resource   Paper,
                     attribute  stockname,
                     value      "coloured paper"}
                ) }

stream: {
      type       PDL-PCL ,
      name       "stream3" ,
      data       "med_job1.prn",
      requires   ( { resource   Paper,
                     attribute  stockname,
                     value      "ABC paper type1")
                     ) }
```

Fig. 4

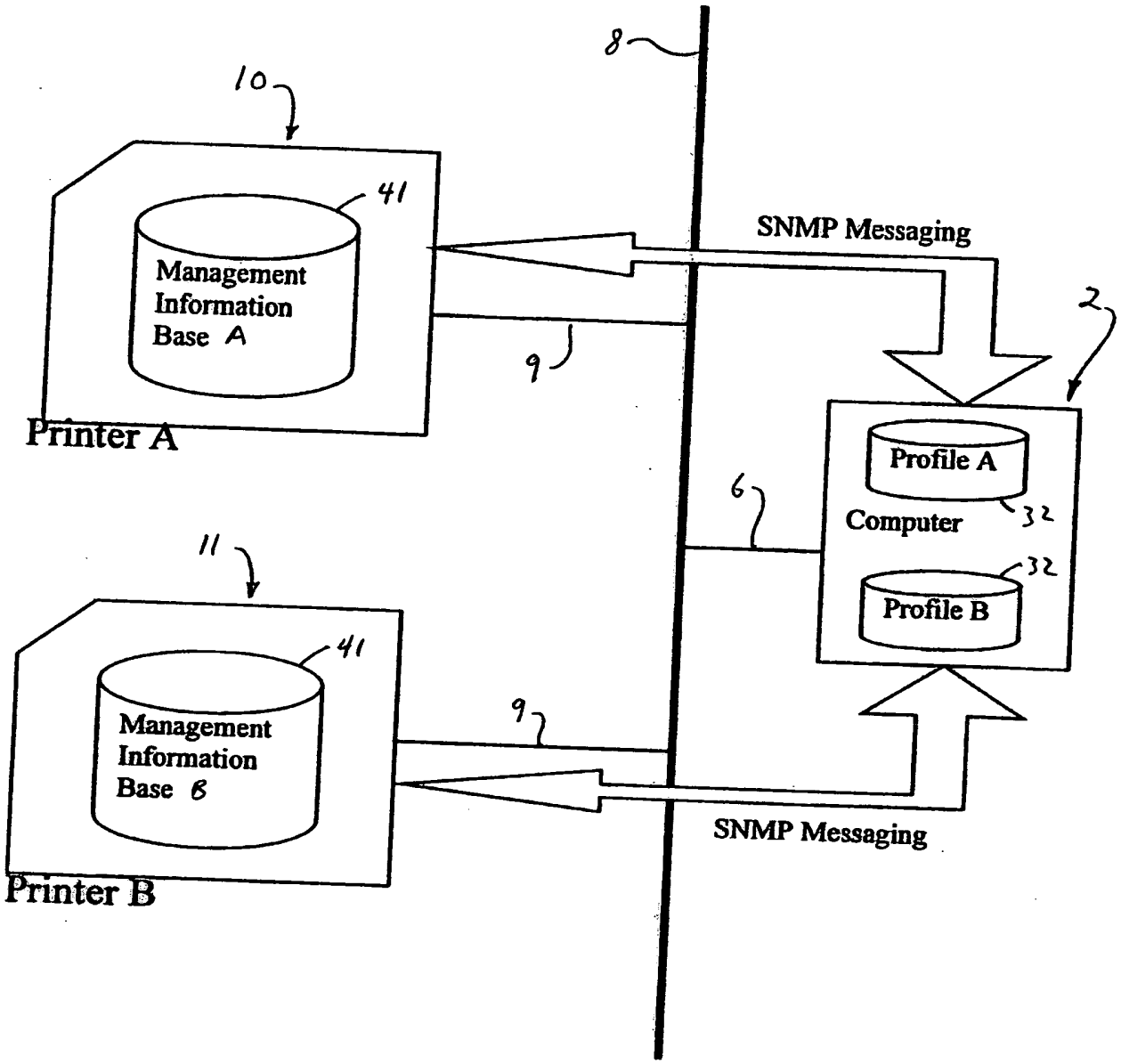
8
10
41
Management
Information
Base A
Printer A
SNMP Messaging
2
9
Profile A
32
Computer
6
32
Profile B
11
41
Management
Information
Base B
9
SNMP Messaging
Printer B

Fig. 5

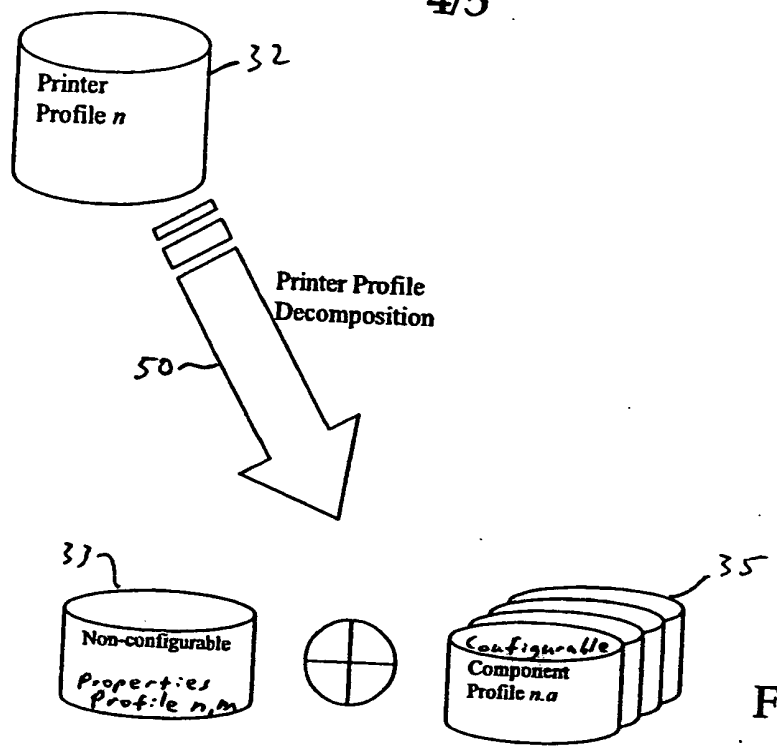

Fig. 6

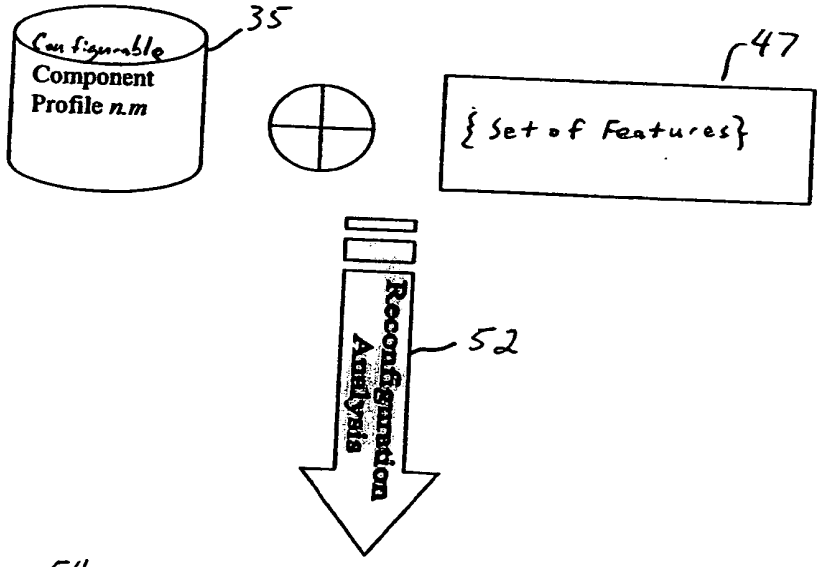

Fig. 7

A set of possible component reconfigurations

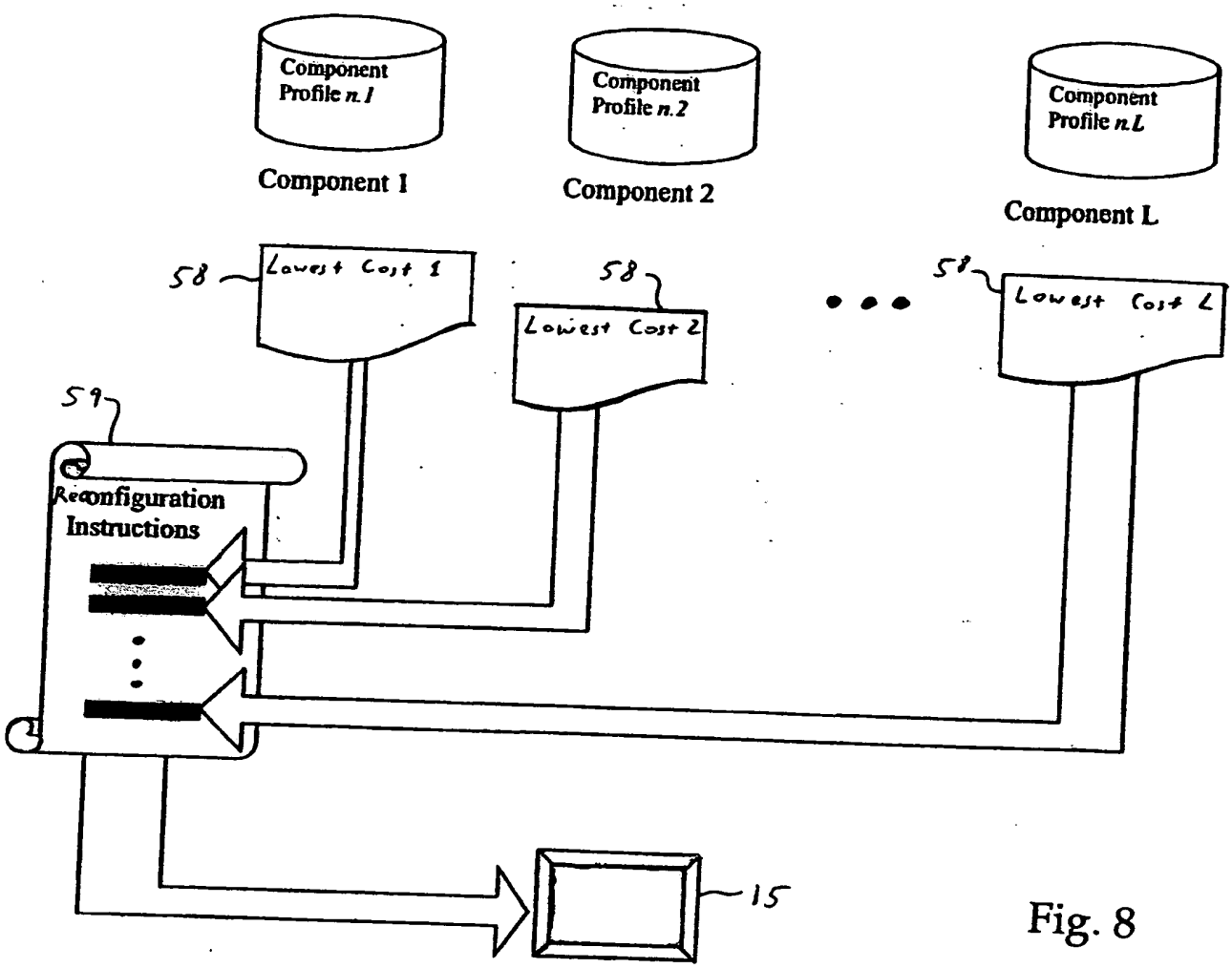
Component Profile n.1
Component Profile n.2
Component Profile n.L
Component 1
Component 2
Component L
58
Lowest Cost 1
58
Lowest Cost 2
58
Lowest Cost L
59
Reconfiguration Instructions
15

Fig. 8

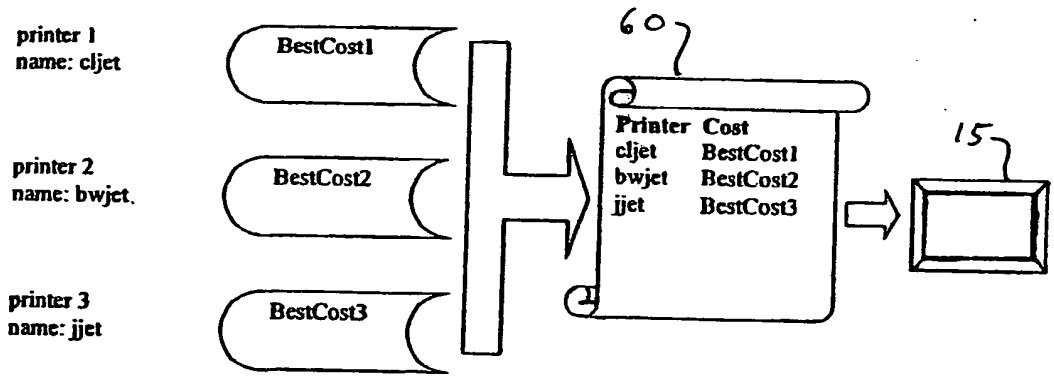
printer 1
name: cljet
printer 2
name: bwjet.
printer 3
name: jjet
BestCost1
BestCost2
BestCost3
60
Printer Cost
cljet BestCost1
bwjet BestCost2
jjet BestCost3
15

Fig. 9